SAFETY DATA SHEET

IXEF PARA-Solvay Specialty Polymers

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the substance or preparation

Product name : IXEF 1002 1022 1025 1027 1032 1521 1524 1622 2030 3008 IXEF 3012 BM-1524 DW-1022 FC-1022 GS-1022

Product grade(s) Ixef 0008/9008

1.2. Use of the Substance/Preparation

Recommended use : - For further information, please contact: Supplier

1.3. Company/Undertaking Identification

Address : SOLVAY ADVANCED POLYMERS, LLC
4500 McGINNIS FERRY ROAD
USA- 30005-3914 ALPHARETTA

Telephone : +17707728200

Telefax : +17707728213

1.4. Emergency and contact telephone numbers

Emergency telephone : **1 (770) 772 8577**
1 (770) 772-8880
+32-55-339505 (Europe) [Other Product Information]

E-mail address :

2. HAZARDS IDENTIFICATION

Appearance : pellets
Colour : black
Odour : odourless

- Product dust may be irritating to eyes, skin and respiratory system.
- Hazardous decomposition products formed under fire conditions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name (CAS-No. / EC-No. / Annex-1)	**Concentration** (W/W)	**Classification**	**R-phrase(s)**
Polyarylamide (25718-70-1 / Exempt or not available / Exempt or not available)	**>= 35 - <= 45 %**		
Fiberglass (65997-17-3 / 266-046-0 / Exempt or not available)	**>= 48 - <= 52 %**		

Talc (14807-96-6 / 238-877-9 / Exempt or not available)	**>= 0,1 - <= 3 %**
Polymer(s) (- / Exempt or not available / -)	**>= 2 - <= 7 %**
Flame retardant containing boron zinc oxide (- / Exempt or not available / -)	**>= 7 - <= 12 %**
Carbon black (1333-86-4 / 215-609-9 / Exempt or not available)	**<= 1 %**

4. FIRST AID MEASURES

4.1. Inhalation

- If symptoms persist, call a physician.

4.2. Eye contact

- Flush eyes with running water for several minutes, while keeping the eyelids wide open.
- If eye irritation persists, consult a specialist.

4.3. Skin contact

- Wash off with soap and water.
- Wash contaminated clothing before re-use.
- If symptoms persist, call a physician.
- Cool skin rapidly with cold water after contact with hot polymer.
- Do not peel polymer from the skin.
- Obtain medical attention.

4.4. Ingestion

- Never give anything by mouth to an unconscious person.
- If a large amount is swallowed, get medical attention.

5. FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media

- powder
- Foam
- Water
- Water spray
- Carbon dioxide (CO2)

5.2. Extinguishing media which shall not be used for safety reasons

- None.

5.3. Special exposure hazards in a fire

- Combustible material
- In a fire, the polymer melts, producing droplets which may propagate fire.
- Once started, a fire will tend to self extinguish (see section 9).
- Risk of dust explosion.
- Heating can release hazardous gases.

5.4. Special protective equipment for fire-fighters

- In the event of fire, wear self-contained breathing apparatus.
- Fire fighters must wear fire resistant personnel protective equipment.

5.5. Other information

- Avoid dust formation.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions

- Sweep up to prevent slipping hazard.
- Avoid dust formation.
- Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

- Should not be released into the environment.
- Do not flush into surface water or sanitary sewer system.

6.3. Methods for cleaning up

- Sweep up and shovel into suitable containers for disposal.
- Avoid dust formation.
- Keep in properly labelled containers.
- Keep in suitable, closed containers for disposal.
- Treat recovered material as described in the section "Disposal considerations".

7. HANDLING AND STORAGE

7.1. Handling

- Take measures to prevent the build up of electrostatic charge.
- Ensure all equipment is electrically grounded before beginning transfer operations.
- Use only equipment and materials which are compatible with the product.
- To avoid thermal decomposition, do not overheat.
- Avoid prolonged or repeated contact with skin.

7.2. Storage

- Keep container closed.
- Keep away from heat and sources of ignition.

7.3. Specific use(s)

- For further information, please contact: Supplier

7.4. Other information

- Keep away from open flames, hot surfaces and sources of ignition.
- To avoid thermal decomposition, do not overheat.
- Avoid dust formation.
- Refer to protective measures listed in sections 7 and 8.
- Do not smoke.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure Limit Values

Particles not otherwise specified (PNOS)

- US. ACGIH Threshold Limit Values 2008
  time weighted average = 10 mg/m3
  Remarks: Inhalable particles.

Fiberglass

- US. ACGIH Threshold Limit Values 01 2006
  time weighted average = 5 mg/m3
  Remarks: Alveolar dust fraction

Talc

- US. ACGIH Threshold Limit Values 01 2006
  time weighted average = 2 mg/m3

Remarks: respirable dust fraction, The value is for particulate matter containing no asbestos and <1% crystalline silica.

Carbon black

- US. ACGIH Threshold Limit Values 01 2006
  time weighted average = 3,5 mg/m3

8.2. Exposure controls

- Provide local ventilation appropriate to the product decomposition risk (see section 10).
- Provide appropriate exhaust ventilation at places where dust is formed.
- Refer to protective measures listed in sections 7 and 8.

8.2.1. Occupational exposure controls

8.2.1.1. Respiratory protection

- In case of insufficient ventilation, wear suitable respiratory equipment.
- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Use only respiratory protection that conforms to international/ national standards.

8.2.1.2. Hand protection

- For prolonged or repeated contact use protective gloves.
- When handling hot material, use heat resistant gloves.

8.2.1.3. Eye protection

- Safety glasses with side-shields
- Dust proof goggles, if dusty.

8.2.1.4. Skin and body protection

- long sleeved clothing

8.2.1.5. Hygiene measures

- When using do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.

8.2.2. Environmental exposure controls

- Dispose of rinse water in accordance with local and national regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General Information (appearance, odour)

Appearance	:	pellets
Colour	:	black
Odour	:	odourless

9.2. Important health safety and environmental information

pH	:	*Remarks*: not applicable
Boiling point/boiling range	:	*Remarks*: not applicable
Flash point	:	*Remarks*: not applicable
Flammability	:	
Explosive properties	:	*Upper explosion limit*: *Remarks*: no data available *Lower explosion limit*: *Remarks*: no data available *Explosion danger*: *Remarks*: Risk of dust explosion.
Vapour pressure	:	*Remarks*: not applicable

Relative density / Density	:	*Remarks*: no data available
Solubility	:	Water *Remarks*: negligible
Partition coefficient: n-octanol/water	:	*Remarks*: not applicable

9.3. Other data

	:	235 °C *Remarks*: Softening point
Decomposition temperature	:	310 °C *Remarks*: Extended period of exposure (ca. 1 hour).

10. STABILITY AND REACTIVITY

10.1. Stability

- Stable under normal conditions.
- Hazardous Polymerisation/Polymerization: no

10.2. Conditions to avoid

- Heat, flames and sparks.
- To avoid thermal decomposition, do not overheat.
- Avoid dust formation.

10.3. Materials to avoid

- no data available

10.4. Hazardous decomposition products

- Carbon monoxide, The release of other hazardous decomposition products is possible.

11. TOXICOLOGICAL INFORMATION

11.1 Toxicological data

Possible hazards (summary)

- The product is biologically inert.
- Because the components are encapsulated in the resin and may not be bioavailable in the body, they may not exert the above mentioned health effects.
- Product dust may be irritating to eyes, skin and respiratory system.
- Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.

11.2. Health effects

Inhalation

- Mechanical irritation from the particulates generated by the product.
- In case of repeated or prolonged exposure: risk of bronchitis (fiber glass).
- Thermal decomposition can lead to release of hazardous gases and vapors

Eye contact

- Mechanical irritation from the particulates generated by the product.

Skin contact

- Mechanical irritation from the particulates generated by the product.
- Risk of itching of the skin/dermatitis (fiber glass).

Ingestion

- Low ingestion hazard.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity effects

Acute toxicity
- Remarks: no data available

Chronic toxicity
- Remarks: no data available

12.2. Mobility
- Remarks: no data available

12.3. Persistence and degradability

Abiotic degradation
- Result: no data available

Biodegradation
- Remarks: no data available

12.4. Bioaccumulative potential
- Result: no data available

12.5. Other adverse effects
- no data available

12.6. Possible hazards (summary)
- The product is biologically inert.
- Ingestion of solids may cause harm to wildlife due to intestinal mechanical blockage or starvation from false feeling of satiation.

13. DISPOSAL CONSIDERATIONS

13.1. Waste from residues / unused products
- In accordance with local and national regulations.
- Refer to manufacturer/supplier for information on recovery/recycling.
- Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.
- Can be landfilled, when in compliance with local regulations.

13.2. Packaging treatment
- Empty containers.
- Dispose of as unused product.

14. TRANSPORT INFORMATION

- Sea (IMO/IMDG)
- not regulated
- Air (ICAO/IATA)
- not regulated

15. REGULATORY INFORMATION

15.1. Labels
- The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

15.2. Inventory Information

Toxic Substance Control Act list (TSCA)	: -	Listed on inventory.
Canadian Domestic Substances List (DSL)	: -	One or more components not listed on inventory.
Australian Inventory of Chemical Substances (AICS)	: -	Listed on inventory.
Japanese Existing and New Chemical Substances (MITI List) (ENCS)	: -	One or more components not listed on inventory.
Korean Existing Chemicals List (ECL)	: -	Listed on inventory.
Philippine Inventory of Chemicals and Chemical Substances (PICCS)	: -	One or more components not listed on inventory.
Inventory of Existing Chemical Substances (China) (IECS)	: -	Listed on inventory.
EU list of existing chemical substances (EINECS)	: -	In compliance with inventory.

16. OTHER INFORMATION

16.1. Administrative information

- Update
- Supersedes version dated: 27.11.2007

This SDS is only intended for the indicated country to which it is applicable. Safety datasheets applicable in other countries/regions are available upon request. Please check with your local Sales representative.
The information given corresponds to the current state of our knowledge and experience of the product, and is not exhaustive. This applies to product which conforms to the specification, unless otherwise stated. In this case of combinations and mixtures one must make sure that no new dangers can arise. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and protection of human welfare and the environment.